

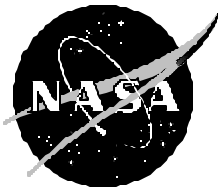
# **VERSION DESCRIPTION DOCUMENT FOR THE NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS)**

Release 5.1

NASA-NEMS-VDD-13

PrISMS Contract

August 30, 2002



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT FOR THE  
NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS)  
RELEASE 5.1**

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GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

August 30, 2002

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

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## **1. INTRODUCTION**

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Equipment Management System (NEMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

### **1.1 IDENTIFICATION OF THE RELEASE**

This software release is identified as NEMS, Release 5.1 and has an effective release date of August 30, 2002.

### **1.2 PURPOSE OF THE RELEASE**

This release implements modifications for the following Change Control Requests (CCRs):

<u>CCR</u>	<u>Title</u>
313	Inventory Local Data Report
314	Increase length of comments field
318	Web Front End for PCM
319	Modifications to the NEMS web front end
321	Prev-Cost on Trans 25 when removing Capitalization Amount
322	Add 3 fields to NEMS queries
323	Add Transaction 64 (Local Data update) to PCM
326	Add edit G12 to Regularly Scheduled Reports
327	ECN not deleted from NEMS-Cent-Equip
329	Add report distribution information to Report 422 and 432
332	Standardize Manufacturer's Code Table 2
333	Include User Name and User Number

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

<u>CCR</u>	<u>Title</u>
None	

### **1.3 SCOPE**

This VDD provides the functional and technical user of NEMS with information regarding the content, status, and structure of Release 5.1, including the following:

- Changes implemented since Release 5.0.1;
- Validation procedures to ensure the reliability of release changes;
- References to other documentation affected by this release;
- Detailed software installation instructions.

No waivers are associated with this release.

### **1.4 CONTACT POINTS**

Sustaining Engineering for NEMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NEMS)

Telephone: (256) 544-6673  
Email: [neal.cantrell@msfc.nasa.gov](mailto:neal.cantrell@msfc.nasa.gov)  
FAX: (256) 544-1836



## **2. FUNCTIONAL INFORMATION**

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

### **2.1 FUNCTIONAL CHANGES**

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT changes related to this release.

### **2.2 FUNCTIONAL INTERFACES**

This section is not applicable for this release.

### **2.3 CRITICAL ISSUES**

This section is not applicable for this release.

### **2.4 AFFECTED DOCUMENTS**

The following documents were changed for this release:

NEMS Web Front End User Guide

### **2.5 APPLICATION SYSTEM ADMINISTRATION**

There are no application system administration changes associated with this release.

### **3. TECHNICAL INFORMATION**

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

#### **3.1 TECHNICAL SYSTEM INTERFACES**

This section is not applicable with this release.

#### **3.2 DATA DICTIONARY CHANGES**

Refer to Appendix D, Section 4.0, for the data dictionary changes in this release.

#### **3.3 SOFTWARE OBJECT CHANGES**

Modules affected by this release are included in Appendix D, Section 2.2.

#### **3.4 DATABASE ADMINISTRATION**

This section describes the database administration activities for installation of this release.

##### **3.4.1 Release Dataset Names**

Refer to Appendix D, Introduction section, for the release dataset names.

##### **3.4.2 Inventory of Objects**

Refer to Appendix D, Section 2.1, for an inventory of Natural object types.

##### **3.4.3 Storage Considerations**

The changes represented by this release should not affect storage requirements.

##### **3.4.4 Installation Procedures**

Refer to Appendix D, Installation Instructions for NEMS Software Release 5.1 for detailed software installation procedures.

#### **3.5 OPERATIONAL PREPARATION**

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

#### **4. KNOWN AND OPEN PROBLEMS**

There are no known or open problems related to this release.

## **APPENDIX A - ABBREVIATIONS AND ACRONYMS**

CC	Consolidation Center
CCR	Change Control Request
CSC	Computer Sciences Corporation
DBA	Database Administrator
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NEMS	NASA Equipment Management System
NPDMS	NASA Property Disposal Management System
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

## **APPENDIX B - GLOSSARY**

### **Database Administration**

Responsibility for maintaining the physical database environment.

### **Implementation**

The process by which a NASA site installs a NASA software release and places it into operational use.

### **Operational Preparation**

Preparation by a NASA site for installation and use of a NASA application release.

### **System Administration**

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

## **APPENDIX C - FUNCTIONAL CHANGE VALIDATION PROCEDURES**

Index of validation procedures for changes in this release:

<b>Section</b>	<b>CCR</b>	<b>Title</b>
1.0	313	Inventory Local Data Report
2.0	314	Increase length of comments field
3.0	318	Web Front End for PCM
4.0	319	Modifications to the NEMS web front end
5.0	321	Prev-Cost on Trans 25 when removing Capitalization Amount
6.0	322	Add 3 fields to NEMS queries
7.0	323	Add Transaction 64 (Local Data Update) to PCM
8.0	326	Add edit G12 to Regularly Scheduled Reports
9.0	327	ECN not deleted from NEMS-Cent-Equip
10.0	329	Add report distribution information to reports 422 and 432
11.0	332	Standardize Manufacturer's Code Table 2
12.0	333	Include User Name and User Number

Details for the validation procedures follow:

## **1.0 CCR 313 – Inventory Local Data Report**

Information collected in the Local Data field in the Inventory Module is lost when the inventory is closed.

### **Description of Change**

Code was changed to add a report that will provide a list of Inventory Local Data by ECN.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Schedule report 773.  
Expected Results: Should receive a report that list the Local Data by ECN.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
<u>NEMS</u>		
RPT773P1	Inventory Local Data Report	Program
UPTBLS09	Update Table	Program

## **2.0 CCR 314 – Increase length of Comments field.**

The STA-COMMENTS field on the NEMS-INV-STATUS file is currently 70 bytes.

### **Description of Change**

Code was added to change STA-COMMENTS length to 140 bytes.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Have one ECN (Trans 01) in NEMS that is not in the scan data.
- Process an inventory by Custodian Account (Change Location equal No). The ECNs in the scan must not be in NEMS.
- Do an I04 (overage).  
Expected Results: Verify that Local Data is only 70 spaces.
- Check Current Inventory Status for the Custodian Account opened.  
Expected Results: Comments field should show 140 characters (for the ECNs that have comments that long).
- Check Status of Transaction screen for I04.  
Expected Results: Comments field should show 140 characters (for the ECNs that have comments that long).
- Schedule report 753 (Custodian Account Inventory Statistical Report) and 771 (Records not Inventoried) for the Custodian Account that inventory was opened with.  
Expected Results: Report 753 should have Value of Items properly positioned and Report 771 should show the reason line with one line of dashes if the field is blank and if there is information for the field it should show two lines (140 characters) if there is more than 70 characters.

- Have 10 ECNs (Trans 01) in NEMS that are not in the scan data.
- Have one ECN (Trans08) in NEMS that is not in the scan data.
- Process an inventory by Location (Change Location equals No). The ECNs in the scan must not be in NEMS.
- Process one I04 (from the underages).
- Do an I04 (overage).  
Expected Results: Verify that Local Data is only 70 spaces.
- Do an I64 (use the previous I04).  
Expected Results: Verify that Local data is 140 spaces.
- Do an I14 (use the the first I04).  
Expected Results: Completes successfully.
- Do an I21 (overage).  
Expected Results: Completes successfully.
- Do an I26 (underage).  
Expected Results: Completes successfully.
- Do an I29 (underage).



- Expected Results: Completes successfully.
- Do an I38 (underage).  
Expected Results: Completes successfully.
- Do an I40 (underage).  
Expected Results: Verify Local Data is only 70 spaces.
- Do an I42 (underage).  
Expected Results: Completes successfully.
- Do an I44 (underage).  
Expected Results: Completes successfully.
- Do an I52 (underage).  
Expected Results: Completes successfully.
- Do an I57 (underage).  
Expected Results: Completes successfully.
- Do an I65 (overage).  
Expected Results: Verify Local Data is only 70 spaces.
- Do an I32 (overage).  
Expected Results: Completes successfully.
- Do an I33 (overage).  
Expected Results: Completes successfully.
- Do an I34 (underage).  
Expected Results: Verify Local Data is only 70 spaces.
- Check Current Inventory Status.  
Expected Results: Verify the Amount columns are positioned properly.
- Check Transaction Status by Location (location used to open inventory).  
Expected Results: Verify that all the comments are displayed (140 characters).
- Check Transaction Status (I04).  
Expected Results: Verify that all the comments are displayed (140 characters).
- Check Display Local data (use an ECN that has local data).  
Expected Results: Verify that all the comments are displayed (140 characters).
- Schedule reports 753 (Location Inventory Statistical Report) and 771 (Records not Inventoried).  
Expected Results: Verify on Report 753 the Value of Items field is properly positioned and Report 771 the reason field shows one line of dashes if the field is blank or if there is information in the field that it shows two lines (140 characters) if there is more than 70 characters.

#### In NEMS

- Do an 01.  
Expected Results: Completes successfully.

#### In NEMS PCM

- Go to the Transactions Requiring Manager Approval.
- Move the cursor up to a transaction.
- Enter Option: U.
- Enter your signature and password.

Expected Results: Completes successfully.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
<u>NEMS</u>		
INVBBIP1	Bar Code Data against Equip File	Program
INVBBIP4	Location Bar Code Data against Equip File	Program
INVIEXNA	Inventory underage clearing	Subpgm
RPT753P1	Custodian Inventory Statistical Report	Program
RPT753P2	Grid Location Statistical Report	Program
RPT771P1	Custodian Account Records Not Inventoried	Program
RPT771P2	Custodian Account Records Not Inventoried	Program
TRNIEXNA	Inventory by Exception	Subpgm
<u>PCM</u>		
TRNIEXNA	Inventory by Exception	Subpgm
<u>NEMSINV</u>		
SSTCISP1	Current Inventory Status Menu	Program
SSTCISP2	Current Inventory Status Menu	Program
SSTTSCP1	Status of a Custodian Account and their Transactions	Program
SSTTSCP2	Status of a Location and their Transactions	Program
SSTTSTP1	Status of a Transaction for each Custodian	Program
SSTVLDP1	View Local Data Field	Program
TRNI14P3	Transaction I14 Processing	Program
TRNI21P1	Add Trans 21 – Receipt – Lease to Purchase	Program
TRNI26P1	Change Trans I26 – Custodian Account Change	Program
TRNI29P1	Change Trans I29 – Equipment Location change	Program
TRNI32P1	Update Inventory No change to Equip File I32	Program
TRNI33P1	Contractor – Transfer Requested I33	Program
TRNI34P1	Update Inventory No change to Equip File I34	Program
TRNI38P1	Change Trans I38 – Borrowed Out	Program
TRNI40P1	Change Trans I40 – Loan/Lease Out	Program
TRNI42P1	Change Trans I42 – Loan Pool Out	Program
TRNI44P1	Change Trans I44 – Storage In	Program
TRNI52P1	Change Trans I52 – Excess Equip Turn-in by Cust.	Program
TRNI57P1	Change Trans I57 – Off-site for Repair	Program
TRNIDL1P1	Delete Transaction Processor	Program
TRNILOP1	Local Data Input Program	Program
TRNILOP2	Local Data Input Program	Program
TRNILOP3	Local Data Add Program	Program
TRNILOP4	Local Data Update Program	Program

### **3.0 CCR 318 – Web Front-end for PCM**

Currently there is not a way for Property Custodians to change information about equipment without using the Property Custodian Module (PCM) in NEMS (on the mainframe). It would be easier if the Property Custodians could assess a web front-end page to make these changes.

#### **Description of Change**

Code was changed to allow the Property Custodians to perform the following PCM transactions from the web: 26, 29, and 31.

#### **Functional Impact**

There is no functional impact as a result of this CCR.

#### **Validation Procedures**

(Mainframe test procedures)

- Must have Table 090 and Table 078 entries that have the Web User ID populated.
- Add a new custodian to Table 078. Leave the Web User Id blank.  
Expected Results: Should receive an error message stating “Email address must be blank if Web User ID not entered and Web User Password must be blank if Web User ID is blank”.
- Enter a Web User ID already used in Table 090.  
Expected Results: Should receive an error message stating “Web User ID must be unique, please re-enter”.
- Enter a Web User ID already used in Table 078.  
Expected Results: Should receive an error message stating “Web User ID must be unique, please re-enter”.
- Enter a valid Web User ID and enter an Email Address of all blanks.  
Expected Results: Should receive an error message stating “User Email address must be entered” and “User password must be entered”.
- Enter a valid email address.  
Expected Results: Should receive an error message stating “User password must be entered”.
- Enter a valid password.  
Expected Results: Completes successfully.
- Check NEMS Adhoc Inquiries (Table file by Table Number) for Table 078 by Installation Sub Account/Custodian Account Number and Installation Sub Account/Custodian Name.  
Expected Results: Verify Web User ID field is now present.
- Change the new custodian to Table 078. Make the Web User Id blank.  
Expected Results: Should receive an error message stating “Email address must be blank if Web User ID not entered and Web User Password must be blank if Web User ID is blank”.
- Enter a Web User ID already used in Table 090.

Expected Results: Should receive an error message stating "Web User ID must be unique, please re-enter".

- Enter a Web User ID already used in Table 078.

Expected Results: Should receive an error message stating "Web User ID must be unique, please re-enter".

- Enter a valid Web User ID and enter an Email Address of all blanks.

Expected Results: Should receive an error message stating "User Email address must be entered" and "User password must be entered".

- Enter a valid email address.

Expected Results: Should receive an error message stating "User password

- Enter a valid password.

Expected Results: Completes successfully.

- Delete the new custodian account in Table 078.

Expected Results: Completes successfully.

- Change the new custodian account in Table 078.

Expected Results: Should receive an error message stating "Requested record

- Add a new user number to Table 090. Enter a Web User ID that is on Table 090.

Expected Results: Should receive an error message stating "Web User ID must be unique, please re-enter".

- Enter a Web User ID that is on Table 078.

Expected Results: Should receive an error message stating "Web User ID must be unique, please re-enter".

- Enter a valid Web User ID.

Expected Results: Completes successfully.

- Change the new user number to Table 090. Enter a Web User ID that is on Table 090.

Expected Results: Should receive an error message stating "Web User ID must be unique, please re-enter".

- Enter a Web User ID that is on Table 078.

Expected Results: Should receive an error message stating "Web User ID must be unique, please re-enter".

- Enter a valid Web User ID.

Expected Results: Completes successfully.

(Web Test procedures) Please see Appendix E for Property Change Life Cycle

- Enter information to change equipment from a user to a new user under the same custodian and under a different custodian. Be sure to enter a new Bldg and room number.
- Have custodians approve and disapprove transfers. Also change the custodian and user plus enter some of the additional information.
- Have custodians transfer equipment to other users and other custodians. Be sure to enter some of the additional information.
- Have users approve and disapprove transfers.

- Have users and custodians download their equipment to their machine.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NEMS		
ADH078P1	Custodian Account Table Adhoc List	Program
ADH078P2	Custodian Account Table Adhoc List	Program
TBL078P1	Custodian Number Table Update	Program
TBL090P1	User Number Table Update	Program
UPTBS02W	Update Error Table	Program
ETB100PT	Entirex Broker Application Server	Program
ETB100P1	Entirex Broker Application Server	Program
NELOGON1	Check Logon Userid/Password for web	Subprogram
NEWDISN1	Disapproval assignment to your userid	Subprogram
NEWLCUN1	List all Custodian IDs	Subprogram
NEWLEAN1	List Equipment waiting approval	Subprogram
NEWLEUN1	List Equipment Assigned to a user/custodian	Subprogram
NEWLOAN1	List Equipment waiting approval by others	Subprogram
NEWLOCL1	Web Local	Local
NEWLOCL2	Web Local	Local
NEWXFRN1	Change to a new User	Subprogram
TRNW26N1	Change Trans 26 (Web cust Changes)	Subprogram
TRNW29N1	Change Trans 29 (Web Equip Location)	Subprogram
TRNW31N1	Change Trans 31 (Web user no change)	Subprogram
UPTBL620	Update Table 620	Program

#### **4.0 CCR 319 – Modifications to the NEMS web front end**

Several modifications have been requested to improve the NEMS web front end

##### **Description of Change**

Code was changed add a hit counter, add a curator, add instructions about how to approve and disapprove transfers, and add an indicator (\*) to let user know a transfer is pending.

##### **Functional Impact**

There is no functional impact as a result of this CCR.

##### **Validation Procedures**

- View the main menu screen.  
Expected results: A hit counter and a curator name are displayed.
- Go to the Incoming Transfer screen.  
Expected results: You should be able to access help from that screen.
- Go to View List of Equipment.  
Expected results: The ECNs that are pending approval should have a '\*' in the Pending column.

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<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
<u>NEMS</u>	No mainframe changes	

## **5.0 CCR 321 - PREV-COST on Transaction 25 when removing Capitalization Amount**

When removing the Capitalization Amount on a Transaction 25, the Previous Cost is being populated and the Cost is not being populated. This is causing the 410 report to be out of balance.

### **Description of Change**

Code was changed to populate the cost field and remove previous cost for the transactions that have no Capitalization Amount but have a Previous Capitalization Amount.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Must have 7 ECNs (Trans 01) with Cost and Capitalizations amounts of \$250000.
- Do a Trans 25 (ECN1). Adjust the cost by \$200.  
Expected Results: Completes Successfully.
- Do a Trans 25 (ECN2). Replace the cost with \$260000.  
Expected Results: Completes Successfully.
- Do a Trans 25 (ECN3). Replace the Capitalization value with \$120000.  
Expected Results: Completes Successfully.
- Do a Trans 25 (ECN4). Adjust the cost by \$200 and replace the Capitalization value with \$140000.  
Expected Results: Completes Successfully.
- Do a Trans 25 (ECN5). Replace the cost with \$270000 and replace the Capitalization value with \$124000.  
Expected Results: Completes Successfully.
- Do a Trans 25 (ECN6). Replace the Capitalization value with \$0.  
Expected Results: Completes Successfully.
- Do a Trans 25 (ECN7). Replace the cost with \$300000 and replace the Capitalization value with \$0.  
Expected Results: Completes Successfully.
- Check NEMS Daily Transaction File (adhoc) for each ECN (Trans 25 only).  
Expected Results:  
ECN1 – Cost is populated, previous cost is populated, capitalization amount is not populated and previous capitalization is not populated.  
ECN2 – Cost is populated, previous cost is populated, capitalization amount is not populated and previous capitalization is not populated.  
ECN3 – Cost is not populated, previous cost is not populated, capitalization amount is populated and previous capitalization is populated.

ECN4 – Cost is populated, previous cost is populated, capitalization amount is populated and previous capitalization is populated.

ECN5 – Cost is populated, previous cost is populated, capitalization amount is populated and previous capitalization is populated.

ECN6 – Cost is not populated, previous cost is not populated, capitalization amount is not populated and previous capitalization is populated.

ECN7 – Cost is populated, previous cost is populated, capitalization amount is not populated and previous capitalization is populated.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
<u>NEMS</u>		
NEUT25PA	Adhoc Program to Fix Trans 25	Program
RPT420P1	1324 – Controlled Equipment Report – NEMS	Program
RPT422P2	1324 – Controlled Equipment Report Detail - NEMS	Program
TRN025P1	Change Trans 25 – Cost Change	Program



## **6.0 CCR 322 – Add 3 fields to NEMS queries**

NASA HQ has requested that the Year Manufactured, NASA Acquired Date, and Acquisition Transaction Number be added to the NEMS yearly queries (NEUCEQPB – NEUCEQPJ).

### **Description of Change**

Code was changed to add the following 3 fields: Year Mfg, NASA Acquired Date, and Acquisition Transaction Number.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Run program NEUUEQPA in batch.  
Expected Results: NEMS Equipment back up file will be created.
- Run programs NEUCEQPB thru NEUCEQPJ.  
Expected Results: The new fields will be included in the work files. Year Manufactured is only included in the work files of NEUCEQPB and NEUCEQPC.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
<u>NEMS</u>		
NEUCEQPB	NEMS Capital Equipment by FSC (Detail)	Program
NEUCEQPC	NEMS Equipment by Heritage Code (Detail)	Program
NEUCEQPD	NEMS Capital Equipment – For Tx 67	Program
NEUCEQPE	NEMS Capital Equipment – For Tx 06	Program
NEUCEQPF	NEMS Capital Equipment – For Tx 86	Program
NEUCEQPG	NEMS Capital Equipment – For Tx 80,81,90	Program
NEUCEQPH	NEMS Capital Equipment – For Tx 66	Program
NEUCEQPI	NEMS Capital Equipment – For Tx 05	Program
NEUCEQPJ	NEMS Capital Equipment – For Tx 13	Program

## **7.0 CCR 323 – Add Transaction 64 (Local Data Update) to PCM**

The only way PCM Property Custodians can update Local Data is by doing a transaction (29,31,etc) and updating Local Data at that time. This would allow them to update Local Data without doing a 'dummy' transaction just to access the Local Data field.

### **Description of Change**

Code was changed to add Transaction 64. This will allow them to change Local Data only.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Be sure to update the User Authority Table (C69) to allow the user access to Transaction 64.
  - Have one ECN that has been added.
  - Do a change transaction 64 on that ECN.
- Expected Results: Should be able to change the local data field for that ECN.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
PCM		
TRNWRNS3	Inventory Parameter Lookup Routine	Subpgm
TRNC00M1	PCM Transaction Menu	Map
TRNC00M2	PCM Transactions	Map
TRNC00P1	Pending File (Transaction) Update Menu	Program
TRNCLDP1	Local Data Input Program	Program
TBLC69P1	PCM User Authority Table Update	Program
TBLC69M4	Transaction 64	Map
TRNC64P1	Transaction 64	Program
UPTBL621	Update Table	Program

## **8.0 CCR 326 - Add edit G12 to Regularly Scheduled Reports**

The On-Request Reports have an edit (G12) that prevents a report from being scheduled for ADOSS if that report is not set up in the ADOSS Table (200).

### **Description of Change**

Code was changed to add the edit (G12) to regularly scheduled reports.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Have one report NOT on the ADOSS Table (200).
- Schedule the report (Regularly Scheduled) that is not on the ADOSS Table.  
Expected Results: Should receive the error G12 – This report cannot be scheduled for ADOSS.
- Schedule that report for the regular printer.  
Expected Results: Completes Successfully.
- Change that report (Regularly Scheduled) to go to ADOSS.  
Expected Results: Should receive the error G12 – This report cannot be scheduled for ADOSS.
- Schedule another report (Regularly Scheduled) that is on ADOSS Table (200).  
Expected Results: Completes Successfully.
- Delete that report (Regularly Scheduled).  
Expected Results: Completes Successfully.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
<u>NEMS</u>		
RPTCHGP1	Report Cycle Update	Program

## **9.0 CCR 327 – ECN not deleted in NEMS-CENT-EQUIP**

When a transaction 21 (Receipt resulting from conversion of lease to purchase) is performed the new ECN is added to the equipment file and the old ECN is deleted from the equipment file and added to the history file (transaction 87 is automatically generated to handle this). However in NEMS central the old ECN is not being deleted from the equipment file.

### **Description of Change**

Code was changed to delete the ECN from the equipment file and the new ECN will show the correct previous ECN.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

None

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
<u>NEMS</u>		
TRN021P2	Trans 21 Processing Program	Program

## **10.0 CCR 329 – Add report distribution information to reports 422 and 432**

NEMS reports (422 (1324 – Capital Equipment – NEMS (Detail)) and 432 (1324 – Capital Equipment – Finance (Detail)) do not have report distribution information or the reporting period populated.

### **Description of Change**

Code was changed to add report distribution information to reports 422 and 432.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Schedule reports 422 and 432 (On-request)(Can use default begin and end dates or use your own).  
Expected Results: Report distribution information is populated.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NEMS		
RPT422P3	1324 – Controlled Equipment Report – NEMS (Detail)	Program
RPT432P3	1324 – Controlled Equipment Report (Detail)	Program

## 11.0 **CCR 332 – Standardize Manufacturer’s Code Table 2**

After the 1<sup>st</sup> pass of standardizing the manufacturer’s code table there are some more complex changes that need to be made to standardize the table.

### **Description of Change**

Code was created to make changes to the old manufacturer code to a new code and to change or delete a manufacturer code.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- Run NEUMFGPC. (Instructions in Appendix F)  
Expected Results: Should execute correctly.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
<u>NEMS</u>		
NEUMFGPC	Update Manufacturer Code Table (040)	Program

## **12.0 CCR 333 – Include User Name and User Number**

The detail pages for the NEMS Web Front-End do not include the User Number and User Name of the user who the equipment is currently assigned. The Download from these web pages also does not include these fields.

### **Description of Change**

Code was created to add these two fields to the detail pages and the download.

### **Functional Impact**

There is no functional impact as a result of this CCR.

### **Validation Procedures**

- On the website, check the detail information for View list of Equipment Assigned to you and View Incoming Transfer Awaiting Approval.  
Expected Results: Should include the User name and number.
- On the website, check the fields on the Download list of Equipment Assigned to you.  
Expected Results: Should include the User name and number.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NEMS		
NEWLEAN1	List Equipment Awaiting Approval	Subpgm
NEWLEUN1	List Equipment Assigned to a User/Cust Acct	Subpgm
NEWLOAN1	List Equipment Waiting Approval by Others	Subpgm

## APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NEMS SOFTWARE RELEASE 5.1

### Introduction

Release information:

System Name: NEMS  
Release Number: 5.1  
Release Date: August 30, 2002  
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NEMS)

Telephone: (256) 544-6673  
Email: neal.cantrell@msfc.nasa.gov  
FAX: (256) 544-1836

### \*\*\* IMPORTANT NOTE \*\*\*

**All release datasets must be deleted from the transient storage DASD volumes within 1 month of the release date. Failure to delete release datasets could negatively impact NPPS production.**

The following datasets are located on the transient storage DASD volumes under the following data sets names:

xxMOV.NEMS.PROD.R510.R0802.PRD  
xxMOV.NEMS.PROD.R510.R0802.SRC  
xxMOV.NEMS.PROD.R510.R0802.DATA (see Appendix F)

Where "xx" is replaced by the appropriate NASA Center designation.

AR - ARC  
DF - DFRC  
GS - GSFC  
HQ - HQ  
J5 - JSC  
KS - KSC  
LA - LaRC  
LE - GRC (Glenn)  
MS - MSFC  
SS - SSC



## Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

### 1.0 Back Up Existing Data

It is advisable to back up all NEMS files as a precautionary measure prior to installation.

### 2.0 Copy Source

#### 2.1 Copy Source Code

- A. Source code is installed in three separate libraries. Source code for programs modified in this release version were unloaded in the NATUNLD format, these programs all have specific destination libraries as shown below. All the NEMS programs have a destination of NEMS; NEMSINV programs have a destination of NEMSINV and NEMSPCM programs have a destination of NEMSPCM.

**NOTE:** Module names in **bold** have been changed since the Beta release.

1. Load the NEMS source library from the dataset xxMOV.NEMS.PROD.R510.R0802.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The NEMS programs:

- |              |   |
|--------------|---|
| 1. ADH078P1  | Custodian Account Table Adhoc List            |
| 2. ADH078P2  | Custodian Account Table Adhoc List            |
| 3. ETB100P1  | Entirex Broker Application Server             |
| 4. ETB100PT  | Entirex Broker Application Server             |
| 5. INVBBIP1  | Bar Code Data against Equipment File          |
| 6. INVBBIP4  | Location Bar Code Data against Equipment File |
| 7. INVIEXNA  | Inventory Underage Clearing                   |
| 8. NELOGON1  | Check Logon Userid/Password for web input     |
| 9. NEMS      | Banner Screen                                 |
| 10. NEUCEQPB | NEMS Capital Equipment by FSC (Detail)        |

11.NEUCEQPC	NEMS Equipment by Heritage Code (Detail)
12.NEUCEQPD	NEMS Capital Equipment – For Tx 67
13.NEUCEQPE	NEMS Capital Equipment – For Tx 06
14.NEUCEQPF	NEMS Capital Equipment – For Tx 86
15.NEUCEQPG	NEMS Capital Equipment – For Tx 80,81,90
16.NEUCEQPH	NEMS Capital Equipment – For Tx 66
17.NEUCEQPI	NEMS Capital Equipment – For Tx 05
18.NEUCEQPJ	NEMS Capital Equipment – For Tx 13
<b>19.NEUMFGPC</b>	Update Manufacturer Code Table (040)
20.NEUT25PA	Adhoc Program to Fix Trans 25
21.NEWDISN1	Disapproval assignment to your userid
22.NEWLCUN1	List all Custodian Ids
<b>23.NEWLEAN1</b>	List equipment waiting approval
<b>24.NEWLEUN1</b>	List equipment waiting approval by others
<b>25.NEWLOAN1</b>	List equipment assigned to a user/custodian
26.NEWLOCL1	Web local
27.NEWLOCL2	Web local
28.NEWXFRN1	Change to a new user
<b>29.RPT420P1</b>	1324 – Controlled Equipment Report - NEMS
<b>30.RPT422P2</b>	1324 – Controlled Equipment Report-NEMS(Detail)
31.RPT422P3	1324 – Controlled Equipment Report-NEMS(Detail)
32.RPT432P3	1324 – Controlled Equipment Report (Detail)
33.RPT753P1	Custodian Inventory Statistical Report
34.RPT753P2	Grid Location Statistical Report
35.RPT771P1	Custodian Account Records Not Inventoried
36.RPT771P2	Custodian Account Records Not Inventoried
37.RPT773P1	Inventory Local Data Report
38.RPTCHGP1	Report Cycle Update
39.TBL078P1	Custodian Number Table Update
40.TBL090P1	User Number Table Update
41.TRN021P2	Trans 21 Processing Program
42.TRN025P1	Change Trans 25 – Cost Change
43.TRNIEXNA	Inventory by Exception
<b>44.TRNW26N1</b>	Change Trans 26 (Web custodian change)
<b>45.TRNW29N1</b>	Change Trans 29 (Web Equip Location change)
<b>46.TRNW31N1</b>	Change Trans 31 (Web user change)
47.UPTBL620	Update Table
<b>48.UPTBLS09</b>	Update Table
<b>49.UPTBS02W</b>	Update Table

will be loaded to the application library NEMS, replacing any existing programs of the same name.

2. Load the NEMSINV source library from the dataset: xxMOV.NEMS.PROD.R510.R0802.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The NEMSINV programs:

- |               |  |
|---------------|--|
| 1. INV        | Banner Screen  |
| 2. SSTCISP1   | Current Inventory Status Menu                        |
| 3. SSTCISP2   | Current Inventory Status Menu                        |
| 4. SSTTSCP1   | Status of a Custodian Account and their Transactions |
| 5. SSTTSCP2   | Status of a Location and their Transactions          |
| 6. SSTTSTP1   | Status of a Transaction for each Custodian           |
| 7. SSTVLDP1   | View Local Data Field                                |
| 8. TRNI14P3   | Trans I14 – Processing Program                       |
| 9. TRNI21P1   | Add Trans I21 – Receipt – Lease to Purchase          |
| 10. TRNI26P1  | Change Trans I26 – Custodian Account Change          |
| 11. TRNI29P1  | Change Trans I29 – Equipment Location change         |
| 12. TRNI32P1  | Update Inventory No Change to Equipment File         |
| 13. TRNI33P1  | Contractor – Transfer Requested                      |
| 14. TRNI34P1  | Update Inventory No Change to Equipment File         |
| 15. TRNI38P1  | Change Trans I38 – Borrowed Out                      |
| 16. TRNI40P1  | Change Trans I40 – Loan/Lease Out                    |
| 17. TRNI42P1  | Change Trans I42 – Loan Pool Out                     |
| 18. TRNI44P1  | Change Trans I44 – Storage In                        |
| 19. TRNI52P1  | Change Trans I52 – Excess Equipment Turn-in by Cust. |
| 20. TRNI57P1  | Change Trans I57 – Off-Site for Repair               |
| 21. TRNIDL1P1 | Delete Transaction Processor                         |
| 22. TRNILOP1  | Local Data Input Program                             |
| 23. TRNILOP2  | Local Data Input Program                             |
| 24. TRNILOP3  | Local Data Add Program                               |
| 25. TRNILOP4  | Local Data Update Program                            |

will be loaded to the application library NEMSINV, replacing any existing programs of the same name.

3. Load NEMSPCM source library from the dataset: xxMOV.NEMS.PROD.R510.R0802.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The NEMSPCM Programs:

- |             |  |
|-------------|--|
| 1. PCMMAP   | Banner Screen                          |
| 2. TBLC69M4 | Transaction Authority                  |
| 3. TBLC69P1 | PCM User Authority Table Update        |
| 4. TRNC00M1 | PCM Transaction Menu                   |
| 5. TRNC00M2 | PCM Transactions                       |
| 6. TRNC00P1 | Pending File (Transaction) Update Menu |
| 7. TRNC64P1 | Change Transaction 64 (Local Data)     |

- |              |                                    |
|--------------|------------------------------------|
| 8. TRNCLDP1  | Local Data Input Program           |
| 9. TRNIXNA   | Inventory by Exception             |
| 10. TRNWRNS3 | Inventory Parameter Lookup Routine |
| 11. UPTBL621 | Update Table                       |

will be loaded to the application library NEMSPCM, replacing any existing programs of the same name.

The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	2
MAPS	4
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	14
PROGRAMS	<b>65</b>
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	<b>85</b>

## 2.2 List of Source Code Modifications

The following are the modules added, modified, and deleted.

**NOTE:** Module names in **BOLD** have been changed since the Beta release.

Added Modules:

- |                    |                |
|--------------------|----------------|
| <b>1. NEUMFGPC</b> | <b>Program</b> |
| <b>2. NEUT25PA</b> | <b>Program</b> |
| 3. RPT773P1        | Program        |
| 4. TRNC64P1        | Program        |
| 5. UPTBL620        | Program        |
| 6. UPTBL621        | Program        |
| <b>7. UPTBLS09</b> | Program        |

Modified Modules:

- |                  |            |
|------------------|------------|
| 1. TRNIXNA(NEMS) | Subprogram |
|------------------|------------|

2. ADH078P1	Program
3. ADH078P2	Program
4. ETB100P1	Program
5. ETB100PT	Program
6. INV	Program
7. INVBBIP1	Program
8. INVBBIP4	Program
9. INVIEXNA	Subprogram
10. NELOGON1	Subprogram
11. NEMS	Program
12. NEUCEQPB	Program
13. NEUCEQPC	Program
14. NEUCEQPD	Program
15. NEUCEQPE	Program
16. NEUCEQPF	Program
17. NEUCEQPG	Program
18. NEUCEQPH	Program
19. NEUCEQPI	Program
20. NEUCEQPJ	Program
21. NEWDISN1	Subprogram
22. NEWLCUN1	Subprogram
<b>23. NEWLEAN1</b>	<b>Subprogram</b>
<b>24. NEWLEUN1</b>	<b>Subprogram</b>
<b>25. NEWLOAN1</b>	<b>Subprogram</b>
26. NEWLOCL1	Local
27. NEWLOCL2	Local
28. NEWXFRN1	Subprogram
29. PCMMAP	Map
<b>30. RPT420P1</b>	<b>Program</b>
<b>31. RPT422P2</b>	<b>Program</b>
32. RPT422P3	Program
33. RPT432P3	Program
34. RPT753P1	Program
35. RPT753P2	Program
36. RPT771P1	Program
37. RPT771P2	Program
38. RPTCHGP1	Program
39. SSTCISP2	Program
40. SSTCISP2	Program
41. SSTTSCP1	Program
42. SSTTSCP2	Program
43. SSTTSTP1	Program
44. SSTVLDP1	Program
45. TBL078P1	Program
46. TBL090P1	Program

47.TBLC69M4	Map
48.TBLC69P1	Program
49.TRN021P2	Program
50.TRN025P1	Program
51.TRNC00M1	Map
52.TRNC00M2	Map
53.TRNC00P1	Program
54.TRNCLDP1	Program
55.TRNI14P3	Program
56.TRNI21P1	Program
57.TRNI26P1	Program
58.TRNI29P1	Program
59.TRNI32P1	Program
60.TRNI33P1	Program
61.TRNI34P1	Program
62.TRNI38P1	Program
63.TRNI40P1	Program
64.TRNI42P1	Program
65.TRNI44P1	Program
66.TRNI52P1	Program
67.TRNI57P1	Program
68.TRNIIDLP1	Program
69. TRNIXNA(PCIM)	Subprogram
70.TRNILOP1	Program
71.TRNILOP2	Program
72.TRNILOP3	Program
73.TRNILOP4	Program
<b>74.TRNW26N1</b>	Subprogram
<b>75.TRNW29N1</b>	Subprogram
<b>76.TRNW31N1</b>	Subprogram
77.TRNWRNS3	Subprogram
<b>78.UPTBS02W</b>	Program

Deleted Modules:

1. None

### 3.0 Pre-Predict Data Conversion

Not applicable with this release.

## **4.0 Install Predict**

### **4.1 Data Dictionary Changes**

This release will include the new enhancements for Version 5.1.0. Details for changes in this release can be found under Section 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NEMS-5.1.0.

Use SYSDICBE to load the PREDICT modifications from the dataset:  
xxMOV.NEMS.PROD.R510.R0802.PRD.

The following NEMS DDMs should be generated after the PREDICT load is completed.

NEMS-EQUIPMENT  
NEMS-INV-STATUS  
NEMS-WEB-PENDING

#### **4.1.1 Inventory of Objects**

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

##### **PREDICT Objects by Type:**

Keyword	-	1
ADABAS Files and Views	-	3

#### **4.1.2 Storage Considerations**

Not applicable with this release.

### 4.1.3 Physical File Changes

Invert the following superdescriptor:

NEMS-EQUIPMENT		File # 188							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
SP	1	CUST-ACCT-NO-ECN	A	12.0		D		SC	N

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=188
ADAINV TEMPSIZE=??,SORTSIZE=??
ADAINV SUPDE='SC=AU(1,5),AA(1,7)'
/*
```

Modify the following field:

NEMS-INV-STATUS		File # 191							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	STA-COMMENTS	A	140.0				BS	N

Using the following commands:

```
//DDKARTE DD *
ADADBS CHANGE FILE=191,FIELD=BS,LENGTH=140
/*
```

Add the following fields:

NEMS-WEB-PENDING		File # 147							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	PEND-AVAIL-STATUS-CODE	A	1.0				AH	N
	1	PEND-CONDITION-CODE	A	2.0				AI	N
	1	PEND-CUST-ACCT-NO	A	5.0				AJ	N
	1	PEND-EQUIP-BUILDING	A	10.0				AK	N
	1	PEND-EQUIP-ROOM	A	5.0				AL	N
	1	PEND-EQUIP-ZIP-CODE	A	5.0				AM	N
	1	PEND-LOCAL-DATA	A	70.0				AN	N
	1	PEND-LOCATION	A	5.0				AO	N
	1	PEND-PRINT-NEMS-1	A	1.0				AP	N
	1	PEND-ROUTING-CODE	N	1.0				AQ	N



1	PEND-TO-CUST-ACCT-NO	A	5.0	AR	N
1	PEND-LAST-ENTRY-REF-NO	N	10.0	AU	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=147
ADADBS FNDEF='01,AH,1,A,NU'
ADADBS FNDEF='01,AI,2,A,NU'
ADADBS FNDEF='01,AJ,5,A,NU'
ADADBS FNDEF='01,AK,10,A,NU'
ADADBS FNDEF='01,AL,5,A,NU'
ADADBS FNDEF='01,AM,5,A,NU'
ADADBS FNDEF='01,AN,70,A,NU'
ADADBS FNDEF='01,AO,5,A,NU'
ADADBS FNDEF='01,AP,1,A,NU'
ADADBS FNDEF='01,AQ,1,U,NU'
ADADBS FNDEF='01,AR,5,A,NU'
ADADBS FNDEF='01,AU,10,U,NU'
/*
```

Invert the following superdescriptors:

NEMS-WEB-PENDING		File # 147				
Ty	L	Field ID	F	Length	Occ	D U DB S
* -	-	-----	* -	-----	-----	* * -- *
SP	1	PEND-CUST-ACCT-NO-ECN	A	12.0		D AS N
SP	1	PEND-TO-CUST-ACCT-NO-ECN	A	12.0		D AT N

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=147
ADAINV TEMPSIZE=??,SORTSIZE=??
ADAINV SUPDE='AS=AJ(1,5),AA(1,7)'
ADAINV SUPDE='AT=AR(1,5),AA(1,7)'
/*
```

## 5.0 Catalog Source Code

The following modules should be changed before the CATALOG is run. Modules NEMS, INV000P0, and MNUC00P1 need to be modified at each center to contain the correct contact name and phone number for each center. Replace the ?? in MSD008P1 and MSD008P5 with your installation number.

Run a batch job to catalog (CATALL) all modules in the NEMS library using the NASA Batch Standard Parameters replacing the existing PS and LS with the following values: PS=23 and LS=80. It is not necessary to catalog the Global Data Area (GDA).

You should receive 38 NATURAL 0303 errors for modules that begin with RPT\* that concern page overflow and 32 programs will produce NATURAL 0002 errors. Program MSC005P1 will not compile. There should be a total of 71 NATURAL errors.

A list of errors found above and dispositions of these results follows:

- To compile the NATURAL 0303 errors correctly, run another CATALOG for the RPT\* modules in the NEMS library using the NASA Batch Standard Parameters. You should receive 12 NATURAL 0002 errors. Ignore the 0002 errors because these objects are dynamic.
- The 32 NATURAL 0002 errors from the first CATALOG are to be IGNORED because these objects are dynamic.
- MSX001P1 will only compile for centers that use the NEMS-PRIOR-MONTH file.
- IGNORE any errors for program MSC005P1.

Run a batch job to catalog (CATALL) all modules in the NEMSINV library using the NASA Batch Standard Parameters. It is not necessary to catalog the Global Data Area (GDA). There should be no errors received.

Run an online catalog (CATALL) on module TRNI34P1 and TRNILOP3 to prevent problems with access to the second screen.

Run a batch job to catalog (CATALL) all modules in the NEMSPCM library using the NASA Batch Standard Parameters. It is not necessary to catalog the Global Data Area (GDA). There should be one NATURAL 0043 error received. See Section 9.0 Installation Checklist for instructions on how to correct these errors.

After all objects are compiled, the NEMS application will run under the NASA On-line Standard Parameters.

## 6.0 Post-Predict Data Conversion

Not applicable with this release.

## **7.0 Perform Release-Specific Procedures**

### **7.1 Run NEUMFGPC**

To run NEUMFGPC, please see the instructions in Appendix F.

### **7.2 Run NEUT25PA**

NEUT25PA needs to be run either batch or online. This program will correct Transaction 25 (Previous Cost field will be removed and populate the Cost field for the transactions that have no Capitalization Amount but have a Previous Capitalization Amount).

### **7.3 Run UPTBLS09**

UPTBLS09 can be run either batch or online. This program is updating the Inventory Report Number table with the new report (773 – Inventory Local Data).

### **7.4 Run UPTBL620**

UPTBL620 can be run either batch or online. This program is updating Table 620 with the new transaction numbers (Transactions W26, W29, W31).

### **7.5 Run UPTBL621**

UPTBL621 can be run either batch or online. This program is updating Table 621 with the new transaction number (Transaction 64).

### **7.6 Access to Transaction C64**

In PCM, each user is given access to specific transactions. If you want a user to have access to the new transaction C64, you will need to go to Table File Processing (Selection 4). Select Table C69 and change the user id for the user you want to have access. The transactions are on the 3<sup>rd</sup> page (press Enter until you get to 3<sup>rd</sup> page). Enter 'Y' next to Transaction number C64. Then press Enter. The user will then have access to Transaction 64 in PCM.

### **7.7 Run UPTBS02W**

UPTBS02W can be run either batch or online. This program is updating Table S02 with the new web error messages. It is possible that some of the error messages may have been loaded from the previous release. Listed below are new error messages:

W00 – Transfer Scheduled  
W02 – Invalid User ID entered  
W03 – Invalid Password entered  
W04 – No records found for User ID  
W05 – No records pending for User  
W06 – User ID table error Notify NEMS Adm

W07 – Requested ECN not found  
W08 – Building Table Error  
W09 – User ID must be changed  
W12 – Invalid Custodian ID  
W14 – No records found for Cust Acct ID  
W15 – No records pending for Custodian Account  
W19 – Custodian Account No must be changed  
W20 – Requested ECN not found on Pending  
W21 – Receiving Custodian can not reassign  
W30 – Transactions performed after pending created; Pend deleted  
W31 – Selection Process not defined Notify NEMS Support

## 7.8 Setting up Broker

The following are the fields that need to be setup in broker:

serverClass NASA  
serverName NEMSTEST  
brokerUserId NEMSWEB  
serviceName CALLNAT  
serviceName ADMIN

Setup a batch process to run module ETB100PT (brokerid is a parameter for this module).

The dbid/library this batch runs in will be the library and dbid that your web process will be running from. Please call Ken Williamson (256-544-0138) for the URL. Also please provide Ken with the fields below that you would like to block access to:

Local Data  
Location  
Zip Code  
Condition Code  
Available Status Code

## 8.0 Local JCL Mods

Other JCL changes may be necessary due to differences in each center's JCL. Changes are in **bold**:

None

## 9.0 Installation Checklist

### 1.0 Back Up Existing Data

### 2.0 Copy Source

#### 2.1 Copy Source Code

#### 2.2 List of Source Code Modifications

### 3.0 Pre-Predict Data Conversion

### 4.0 Install Predict

#### 4.1 Data Dictionary Change

##### 4.1.1 Inventory of Objects

##### 4.1.2 Storage Considerations

##### 4.1.3 Physical File Changes

### 5.0 Catalog Source Code

Update the Password to the NEMS-PCM-AUTH file in PCM programs: MNUC00P1; MNUC01P1; RPTSUBP1; TRNC00P1; TRNC26P1; TRNC52P1; TRNUPDP1. This step is optional if the Center chooses not to put a password on the NEMS-PCM-AUTH file.

A. Find out from your DBA the ADABAS Security password assigned to the NEMS-PCM-AUTH file at your installation.

B. Logon to the NEMSPCM and use the Scan utility to search the NEMSPCM programs listed above for the word:

PASSWORD = 'NEMSPCM' and replace it with:

PASSWORD = 'Your site Password'. This scan and replace will change all references to the password with your installation's password.

### 6.0 Post-Predict Data Conversion

### 7.0 Perform Release-Specific Procedures

#### 7.1 Run NEUMFGPC

#### 7.2 Run NEUT25PA

#### 7.3 Run UPTBLS09

#### 7.4 Run UPTBL620

#### 7.5 Run UPTBL621

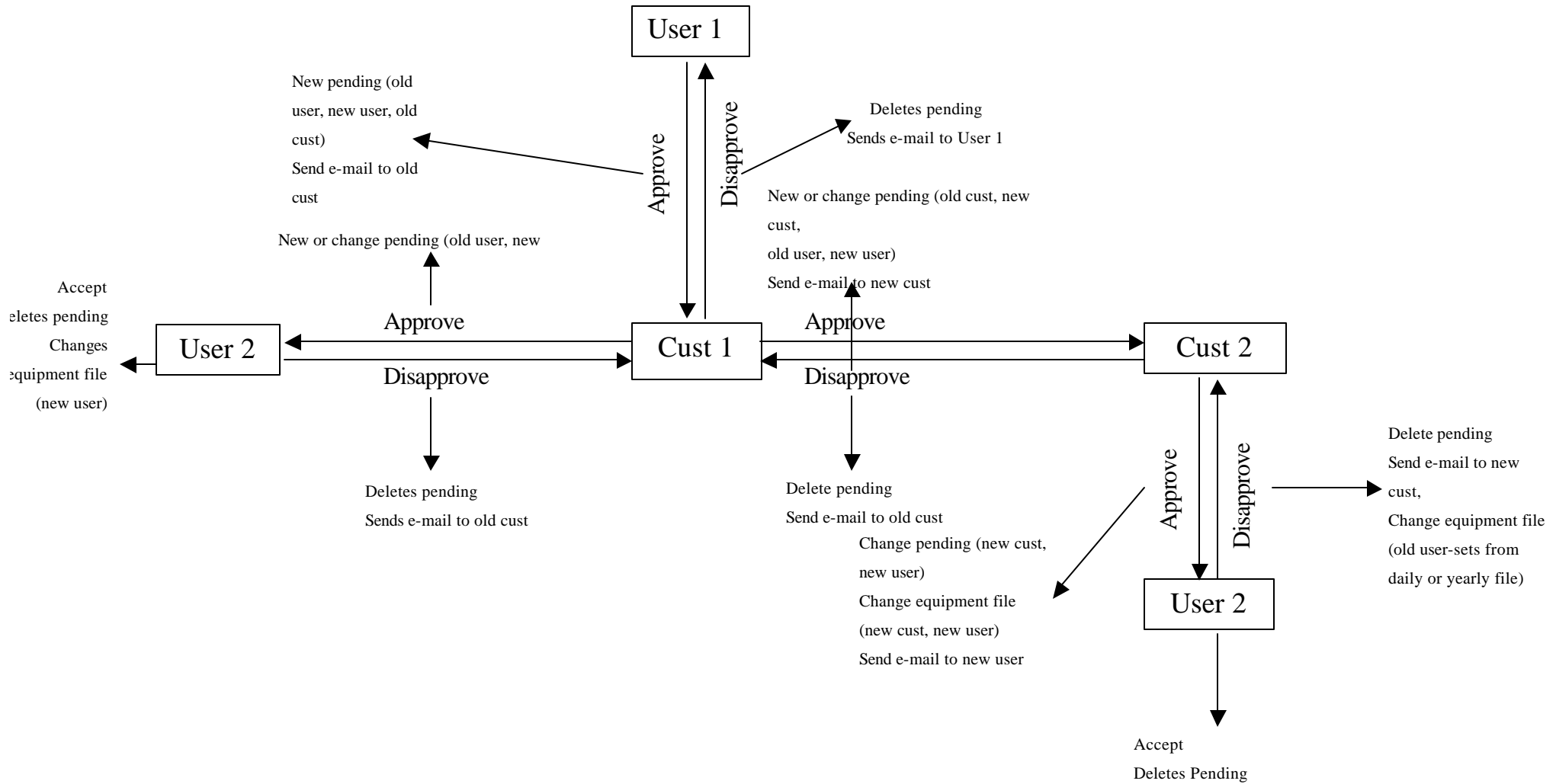
#### 7.6 Access to Transaction C64

#### 7.7 Run UPTBS02W

#### 7.8 Setting up Broker

### 8.0 Local JCL Mods

## Appendix E – Property Change Life Cycle



## APPENDIX F - INSTRUCTIONS FOR EXECUTING PROGRAM NEUMFGPC

### Standardize Manufacturer's Codes 2

(Note: This is not a regular NEMS report and must be executed outside of the NEMS nightly cycle.)

Each NASA center should execute (in batch) the program NEUMFGPC to update the NEMS Table File 040 (Manufacturer's Code Table) using the JCL and work file furnished. See sample JCL below.

```
000001 //IRMFGCD JOB (AGAOHNEMS002,4485),'MFG CODE',CLASS=D,
000002 //      NOTIFY=XXXXX,MSGCLASS=A
000003 //*****
000004 //* READS THE FLAT FILE TO UPDATE AN INSTALLATIONS MFG CODE TABLE  *
000005 //*****
000006 //DVNPDMS EXEC XXXX
000007 //CMPRINT DD SYSOUT=(A,PSBOK1C)
000008 //CMWKF05 DD DSN=XXXXX.XXXXXX.XXXXXXX.XXXXXX,
000009 //      DISP=(SHR,KEEP,KEEP)
000010 //CMSYNIN DD *
000011 LIBRARY,USERID
000012 %*
000013 PASSWORD
000014 NEUMFGPC INST OPTION
000015 FIN
000016 /*
000017 //
```

The following changes must be made to the JCL before submitting the batch job:

- Line 000002 – Change XXXXX to your User ID.
- Line 000006 – Change XXXX to your batch proc.
- Line 000008 – Change XXXXX.XXXXXX.XXXXXXX.XXXXXX to the workfile name for your center supplied in the VDD.
- Line 000011 – Change LIBRARY to the library the program is to be executed from
- Line 000011 – Change USERID to your User ID.
- Line 000013 – Change PASSWORD to your Password.
- Line 000014 – Change INST to the Installation Number for your center
- Line 000014 – Change OPTION to either DISPLAY or UPDATE

The DISPLAY Option will create a report that will list the changes that will be made to your Manufacturer's Code Table. The UPDATE Option will create the same report as the DISPLAY

option and will update the Manufacturer's Code Table with the changes identified in the input file.

The report produced will include the following:

- The mode that the report is being run in (Display or Update)
- The Action being performed:
  - Inst No – updated for a specific installation (with updates to the Manufacturer's Name and Manufacturer's Address if needed).
  - Change – Manufacturer's Code changed for all installations (with updates to Manufacturer's Address if needed).
  - Delete – Manufacturer's Code deleted for all installations.
  - Name – Manufacturer's Name updated for all installations.
  - Address – Manufacturer's Address updated for all installations.
  - Both – Manufacturer's Name and Manufacturer's Address updated for all installations.
- Status of the Old Manufacturer's Code (Found or not found on table 040)
- New values for the New Manufacturer's Name and Manufacturer's Address
- Old values for the Old Manufacturer's Name and Manufacturer's Address
- Status of the New Manufacturer's Code (Found or not found on table 040).
- Number of Old Manufacturer's Codes found on the following files:
  - Equipment
  - History
  - Daily Transaction
  - Monthly Transaction
  - Yearly Transaction

NEUMFGPC uses as input NEMS Manufacturer's Code Table (040) and a work file containing the ACTION (Inst No, Change, Delete, Name, Address, or Both), Old Manufacturer's Code, New Manufacturer's Code, New Manufacturer's Name, and New Manufacturer's Address. The e updated as follows:

**Inst No** – The Old Manufacturer's Code is checked to see if it is on the Manufacturer's Code Table for the identified installation. If it is present then the New Manufacturer's Code is checked to see if it is on the Manufacturer's Code Table. If it is not then the record for the Old Manufacturer's Code is changed to the New Manufacturer's Code.

**Change** – The Old Manufacturer's Code is checked to see if it is on the Manufacturer's Code Table. If it is present then the New Manufacturer's Code is checked to see if it is on the Manufacturer's Code Table. If it is not then the record for the Old Manufacturer's Code is changed to the New Manufacturer's Code.

**Delete** - The Old Manufacturer's Code is deleted from the Manufacturer's Code Table if it is present on the table.

**Name** – The Manufacturer's Name for the Old Manufacturer's Code is updated with the



**Address** – The Manufacturer's Address for the Old Manufacturer's Code is updated with SS.

**Both** – The Manufacturer's Name and Address for the Old Manufacturer's Code are updated with the New Manufacturer's Address.

Below is a sample of the report:

\*\*\*\*\* DISPLAY MODE \*\*\*\*\*

ACTION IS: 0101

ACTION IS: 0202

ACTION IS: 0303

ACTION IS: 0404

ACTION IS: 0505

ACTION IS: 0707

**ACTION IS: 0808**

OLD MFG: NEALA FOUND ON TABLE 040

\*\* NEW: THIS IS MY COMPANY ATHENS, AL

\*\* OLD: NEAL CANTRELL'S COMPANY 604 HEREFORD DR. ATHENS, AL 35611-0001

NEW MFG: NEAL1 NOT ON TABLE 040, OK TO CHANGE

NEALA ON EQUIPMENT : 4

NEALA ON HISTORY : 1

NEALA ON DAILY TRANS : 1

NEALA ON MONTHLY TRANS : 7

NEALA ON YEARLY TRANS : 7

\*\*\*\*\*

**ACTION IS: 0808**

OLD MFG: NEALF FOUND ON TABLE 040

\*\* NEW: THE SIXTH COMPANY OF NEAL SIXTH ST. SIXTH, AL 60606-0001

\*\* OLD: TEST MANUFACTURER NEALF NEALF, AL

NEAL6 ALREADY ON TABLE 040, DO NOT CHANGE

NEALF ON EQUIPMENT : 0

NEALF ON HISTORY : 0

NEALF ON DAILY TRANS : 0

NEALF ON MONTHLY TRANS : 0

NEALF ON YEARLY TRANS : 0

\*\*\*\*\*

**ACTION IS: CHANGE**

OLD MFG: JOC02 FOUND ON TABLE 040

\*\* NEW:

\*\* OLD: JAMES O'NEAL CANTRELL, 1 ADDRESS 1 AND CITY 1

NEW MFG: JOC01 NOT ON TABLE 040, OK TO CHANGE

JOC02 ON EQUIPMENT : 1

JOC02 ON HISTORY : 1

JOC02 ON DAILY TRANS : 1  
JOC02 ON MONTHLY TRANS : 2  
JOC02 ON YEARLY TRANS : 2

\*\*\*\*\*

**ACTION IS: DELETE**

OLD MFG: JOC09 HAD A MATCH ON TABLE 040, OK TO DELETE

\*\*\*\*\*

**ACTION IS: DELETE**

OLD MFG: JOC10 DID NOT HAVE A MATCH ON TABLE 040

-----

\*\*\*\*\*

**ACTION IS: ADDRESS**

OLD MFG: JOC11 FOUND ON TABLE 040

\*\* NEW: ADDRESS 11 @ CITY 11

\*\* OLD: JAMES O'NEAL CANTRELL, 11 ADDRESS-ADDRESS CHANGE

\*\*\*\*\*

**ACTION IS: NAME**

OLD MFG: JOC12 FOUND ON TABLE 040

\*\* NEW: JAMES O'NEAL CANTRELL, 12

\*\* OLD: NAME-NAME CHANGE ADDRESS 12 @ CITY 12

\*\*\*\*\*

**ACTION IS: BOTH**

OLD MFG: JOC13 FOUND ON TABLE 040

\*\* NEW: JAMES O'NEAL CANTRELL, 13 ADDRESS 13 @ CITY 13

\*\* OLD: BOTH-NAME CHANGE BOTH-ADDRESS CHANGE

\*\*\*\*\*